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INTELLECTUAL PROPERTY LAW

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FACSIMILE TRANSMITTAL SHEET

To:	MS: Amendment	FROM:	Charles Miller
COMPANY:	USPTO	DATE:	June 7, 2005
FAX NUMBER:	703-872-9306	TOTAL NO. OF PAGES:	12 including cover page
RE:		OUR REFERENCE NO.	004770.00025

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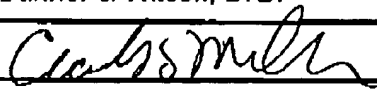
BOSTON

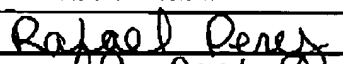
PORTLAND, OR

Approved for use through 07/31/2005 P O/SB/21 (09-04)
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE OMB 0861-0031
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/027,048	
	Filing Date	December 20, 2001	
	First Named Inventor	Walsh	
	Art Unit	2153	
	Examiner Name	Flynn	
Total Number of Pages in This Submission	12	Attorney Docket Number	004770.00025

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input checked="" type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Coversheet
Remarks The Commissioner is authorized to charge any additional fees or credit overpayment to Deposit Account No. 19-0733.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Charles L. Miller		
Date	June 7, 2005	Reg. No.	43,805

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Rafael Perez	Date	6/7/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

Approved for use through 17/31/2008. OMB 0851-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL for FY 2005		Complete if known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/027,048
		Filing Date	December 20, 2001
		First Named Inventor	Walsh
		Examiner Name	Flynn
		Art Unit	2153
		Attorney Docket No.	004770.00025
TOTAL AMOUNT OF PAYMENT (\$)		130	

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : _____
☒ Deposit Account Deposit Account Number: 19-0733 Deposit Account Name: Banner & Witcoff, L TD.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	---
Design	200	100	100	50	130	65	---
Plant	200	100	300	150	160	80	---
Reissue	300	150	500	250	600	300	---
Provisional	200	100	0	0	0	0	---

2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
_____ - 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	Extra Claims	Fee (\$)
_____ - 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE

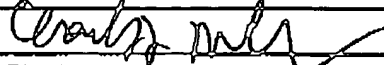
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)
 Other (e.g., late filing surcharge): Terminal Disclaimer \$130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	43,805	Telephone	312-463-5000
Name (Print/Type)	Charles L. Miller	Date	June 7, 2004		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Attorney Docket No. 004770.00025

In re U.S. Patent Application of Walsh, et al.)
Application No. 10/027,048) Examiner: Flynn
Filed: December 20, 2001) Group Art Unit: 2153
For: Cluster Filtering)

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JUN 07 2005

RESPONSE TO OFFICE ACTION

MS: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This amendment is responsive to the Office Action dated March 25, 2005. The Examiner has set a three-month period for response, thus making this response due on or before **June 25, 2005**. The Commissioner is hereby authorized to charge any fee or credit any overpayment of fees to Deposit Account No. 19-0733.

Amendments to the Claims begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.